

Operational

Now

Source characteristics

Third harmonic of 8-cm-period undulator (U8)

Energy range

200–1000 eV

Monochromator

VLS-PGM, with two gratings (600 and 1200 lines/mm)

Calculated flux (1.9 GeV, 400 mA)	$\times 10^{10}$	photons/s/0.1%BW at 500
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Resolving power (E/D)	E	Resolving power (E/D)	D
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Endstations

Coherent optics (12.0.2.1)
Coherent scattering (12.0.2.2)

Detectors		Detectors CCD, photodiode, scintillator			
Spot size at sample (FWHM)		60 x 9.4 μm (12.0.2.1)		85 x 8 μm (12.0.2.2)	
Samples					
Format					
Preparation		Various			
Sample environment		10		-6 or 10 -5	
Experimental techniques		Two chambers: Coherent optics (12.0.2.1) Coherent scattering, correlation spectroscopy			
Scientific applications		Branchlines designed for spatially coherent soft x-ray experiments			